

Title (en)

Glycol-based cooling mixtures free from nitrite and phosphate.

Title (de)

Nitrit- und phosphatfreie Kühlstoffmischungen auf Glykolbasis.

Title (fr)

Mélanges de refroidissement à base de glycol et exempts de nitrites et de phosphate.

Publication

EP 0361252 A1 19900404 (DE)

Application

EP 89117199 A 19890918

Priority

DE 3832592 A 19880924

Abstract (en)

Glycol-based coolant mixtures which are free from nitrites and phosphates and contain alkali metal salts of C4- to C16-alkenylsuccinic acids and stabilised silicate and further corrosion-inhibiting additives.

Abstract (de)

Kühlstoffmischungen auf Glykolbasis, die frei von Nitriten und Phosphaten sind, mit einem Gehalt an Alkalisalzen von C4- bis C16-Alkenylbernsteinsäuren und stabilisiertem Silikat sowie weiteren korrosionsinhibierenden Zusätzen.

IPC 1-7

C09K 5/00

IPC 8 full level

C09K 5/00 (2006.01); **C09K 5/08** (2006.01); **C09K 5/20** (2006.01)

CPC (source: EP US)

C09K 5/20 (2013.01 - EP US); **C23F 11/08** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0361252 A1 19900404; **EP 0361252 B1 19921119**; AT E82582 T1 19921215; CA 1338729 C 19961126; DE 3832592 A1 19900329; DE 58902767 D1 19921224; JP H02120388 A 19900508; US 5064552 A 19911112

DOCDB simple family (application)

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